EDIMAX
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ES-5226RM

24-port Fast Ethernet Management Switch with 2 Gigabit Combo Slots

Descriptions:

QoS with Four Priority Queues

The QoS (Quality Of Service) feature provides eight internal queues to support two different classifications of traffic. High priority packet streams experience less delay inside the switch, which supports lower latency for certain delay-sensitive traffic. it can classify the packet as one of the two priorities according to 802.1p priority tag, DSCP. The QoS operate at full wire speed. The actual scheduling at each egress port can be based upon a strict priority, weighted round robin or a mix of both.

Port Mirroring

This mechanism helps track network errors or abnormal packet transmission without interrupting the flow of data. Allow ingress or egress traffic to be monitored by a single port that is defined as mirror capture port. The mirror capture port can be any 10/100 port, 10/100/1000 port. Mirroring multiple ports is possible but can create congestion at the mirror capture port.

Q-in-Q VLAN for performance & security

The VLAN feature in the switch offers the benefits of both security and performance. VLAN is used to isolate traffic between different users and thus provides better security. Limiting the broadcast traffic to within the same VLAN broadcast domain also enhances performance. VLAN support enabling advanced techniques such as “802.1q Q-in-1Q” to be deployed.

Isolated Group, Provide Secure for Certain Ports

The isolated group feature allows certain ports to be designated as protected. All other ports are non-isolated. Traffic between isolated group members are blocked. Traffic can only be sent from isolated group to non-isolated group.

802.1x Port based network Access Control Improve Network Security

802.1x feature enable user authentication for each network access attempt. Port security feature allow you to limit the non-register user access to network. By enabling this features, you can establish an access mechanism based on user and machine identities, as well as control the number of access stations.

802.1D Compatible & 802.1w Rapid Spanning Tree

For mission critical environments with multiple switches supporting STP, you can configure the switches with a redundant backup bridge path, so transmission and reception of packets can be guaranteed in event of any fail-over switch on the network.

Broadcast/Multicast/unknown-Unicast Storm Control

To limit too many broadcast/multicast/unknown-unicast flooding in the network, broadcast/multicast storm control is used to restrict excess traffic. Threshold values are available to control the rate limit for each port. Packets are discarded if the count exceeds the configured upper threshold.

This equipment is intended to be used in all Europe and EFTA countries, Hereby Edimax Technology declares that this product is in conformity with the European R&TTE Directive (1999/5/EC). A declaration of conformity is available on www.edimax.com

Standard compliance
IEEE 802.3 10Base-T / IEEE 802.3u 100Base-T / IEEE 802.3ab 1000Base-T / IEEE 802.3z 1000Base-X Ethernet, IEEE 802.3x flow control / IEEE 802.3 auto-negotiation / IEEE 802.1q VLAN

Subscriber Interface
1-24 10/100Mbps Fast Ethernet ports. / 25,26 are Gigabit TP/ SFP Fiber
Auto-Negotiation and Auto-MDIX
Backpressure flow control for half duplex / 802.3x flow control for full duplex.
Connector: 24 RJ-45 and 25,26 dual media (RJ-45/SFP)

Switching capacity:
Non-blocking switch fabric supports up to 24FE+2GbE, ports
16K MAC addresses / 448K packet buffer

Bandwidth Control
Ingress rate limit : Port 1~24: 1K up to 100Mbps / Port 25, 26: 1K up to 1000Mbps
Egress rate limit : Port 1~24: 1K up to 100Mbps / Port 25, 26: 1K up to 1000Mbps

Port Mirroring
Support 1: N RX port mirroring
Supports port sniffer function with TX-RX pair Monitor Mode

Restricted Group
Can decide the direction of transmitting packets for the specific port

Protocol

Tag VLAN: 802.1q

Multicasting : Supports IGMP snooping V1, V2 / Fast Leave / filtering via filtering profile / Channel limitation per port/ MVR (Multicast VLAN Registration
STP/RSTP : 802.1d/802.1w

Network Security
802.1x port based network access control / Isolated group / ACL (Access Control List)/ Management Access Policy Control / Static MAC/DHCP snooping /RFC 3046 DHCP relay agent with option 82 /Storm Control

SNMPv1, v2c Network Management
MIB Files : Interface MIB, FC 1213 MIB (MIB-II), RFC 1757 RMON MIB, Private MIB

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Network Interface

Interface	Connector	Port
10/100 Mbps TP Jack (RJ-45)	TP(RJ-45)	1 to 24
1000Mbps SFP Fiber Module Dual Media Auto Detection	TP(RJ-45) / SFP	25 to 26

Hardware Specifications

Feature	Description
Voltage	100~240 V
Frequency	50~60 Hz
Consumption	14W
Ambient Temperature	0° to 50°C
Humidity	5% to 90%
Dimensions	240(W) × 200(H) × 44(D) mm
Weight	Principal: 1.44Kg. Package: 2.48Kg.
Safety	Complies with FCC Part 15 Class A & CE Mark approval

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
420 (W) x 370 (D) x 300 (H)	5	11.5KG	12.5KG

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